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[PDF] ⯈ Computer systems design and architecture
VP Heuring, HF Jordan, M Murdocca - 1997 - cs.clemson.edu
... **Register transfer** notation - RTN • The main function of the CPU is the **Register Transfer** ... and **register** transfers ... optimizations of the assembly **language** ...
Cited by 98 - Related articles - View as HTML - Web Search - Library Search - All 10 versions

No assembly required: Compiling Standard ML to C- ⯈ psu.edu [PDF]
D Tarditi, P Lee, A Acharya - ACM Letters on Programming Languages and Systems (LOPLAS), 1992 - portal.acm.org
... 21] is lost, despite a **compile**-time analysis ... is a lexically scoped, call-by-value **language** with higher ... overflow checking, floating-point operations, **register**-to ...
Cited by 96 - Related articles - Web Search - Library Search - All 16 versions

PRISM-II compiler and architecture- ⯈ psu.edu [PDF]
M Wazlowski, L Agarwal, T Lee, A Smith, E Lam, P ... - IEEE Workshop on FPGAs for Custom Computing Machines, 1993. ..., 1993 - ieeexplore.ieee.org
... the mid-70s cen- tered on dynamically changing the instruction set at **compile** time to ... used by GCC is called RTL, a variation of a **register transfer language**. ...
Cited by 106 - Related articles - Web Search - All 4 versions

The application accelerator illustration system
MS Miller, H Cunningham, C Lee, SR Vegdahl - Proceedings of the 1986 conference on Object-oriented ..., 1986 - portal.acm.org
... We selected the **register transfer** level of abstraction because it ... easy to understand, and is sim- ple to **compile**. A full description of the **language** is beyond ...
Cited by 7 - Related articles - Web Search - All 3 versions

An architecture for the direct execution of the Forth programming **language**
JR Hayes, ME Fraeman, RL Williams, T Zaremba - portal.acm.org
... of an extra step: edit-cross **compile**-download-debug ... primitive word defined in assembly **language** is found ... can be summarized in a **register transfer** notation shown ...
Cited by 18 - Related articles - Web Search - All 4 versions

Integrating code generation and optimization
CW Fraser, AL Wendt - Proceedings of the 1986 SIGPLAN symposium on Compiler ..., 1986 - portal.acm.org
... the opcodes being hashed at **compile-compile** time because ... **register** transfers to assembly **language** for output ... used to translate a **register transfer** to assembly ...
Cited by 20 - Related articles - Web Search - All 6 versions

A tree-based alternative to Java byte-codes- ⯈ psu.edu [PDF]
T Kistler, M Franz - International Journal of Parallel Programming, 1999 - Springer
... code, accelerating the **transfer** of executable ... intermodular inlining, intermodular **register** allocation, and ... tree-structured intermediate **language** in conjunction ...
Cited by 62 - Related articles - Web Search - Library Search - BL Direct - All 19 versions

A knowledge-based compiler enhancing DSP internal parallelism

I Kuroda, A Hirano, T Nishitani - IEEE International Sympoisum on Circuits and Systems, 1991., 1991 - ieeexplore.ieee.org

... role of HLL(high level **language**) **compil**- ers for ... distributed in the complicated
data-**path** having their ... whose then part is a **register transfer** level operation ...

Cited by 3 - Related articles - Web Search

Address compression through base **register** caching

A Park, M Farrens - Proceedings of the 23rd annual workshop and symposium on ..., 1990 - portal.acm.org

... using address or data lines to **transfer** the high ... be stored in a simple **register** file
organization ... High level **language** compilers presently **compile** programs for ...

Cited by 22 - Related articles - Web Search - All 2 versions

Symbolic simulation for correct machine design

WC Carter, WH Joyner Jr, D Brand - Proceedings of the 16th Conference on Design automation, 1979 - portal.acm.org

... tion **language**[I,2,3,4], **compile** this description ... of a processor of machine-**language**
instructions, but ... describe, also in LSS, the **register transfer** level of the ...

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Key authors: **R Camposano** - **M Wazlowski** - **V Heuring** - **D Tarditi** - **R Kelsey**

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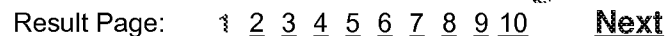
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